DETAILED ACTION

1.   In the amendment filed on June 29, 2009, no amendments were made.

Claims 20, 31, 35, 42, 46, 52, 58, 59, 80, 84, and 87 are independent claims.

Drawings

2.   Drawings filed on April 13, 2004, are accepted.

Specification

3.   Specification filed on April 13, 2004, is considered and accepted.

Examiner's Amendment

4.   An examiner's amendment to the record appears below. Should the

changes and/or additions be unacceptable to applicant, an amendment may be

filed as provided by 37 CFR 1.312. To ensure consideration of such an

amendment, it MUST be submitted no later than the payment of the issue fee.

        Authorization for this examiner's amendment was given in a telephone

interview with Mr. Bum Pak, Reg. No. 56,916, on July 20, 2009.

        Please cancel claims *(52, 53, 56, 57), (58, 63), (59-62), (80-83), and (87-*

88).

Allowable Subject Matter

5.   Claims 20-27, 31-32, 35-38, 42-44, 46-51, 75-79, and 84-86 are allowed.

        The following is the statement of reasons for allowance.

        As per claim 20, the prior art of record (Galea (hereinafter "Galea", U.S.

Patent Number 6404445) in view of Everett (U.S. Patent Application Publication

Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon",

U.S. Patent Application Publication Number 2006/0064415) and further in view

Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach

or fairly suggest the combination of steps as recited in the claim. Prior art of

record does not teach the following limitations:

"when an entity satisfy the set of conditions, classifying the entity as a

particular entity type for which a user interface is created within a particular

window of a set of windows, wherein the user interface element provides access

to said entity though the user interface".

The dependent claims of claim 20, being definite, further limiting, and fully

enabled by the specification are also allowed.

As per claim 31, the prior art of record (Galea (hereinafter "Galea", U.S.

Patent Number 6404445) in view of Everett (U.S. Patent Application Publication

Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon",

U.S. Patent Application Publication Number 2006/0064415) and further in view

Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach

or fairly suggest the combination of steps as recited in the claim. Prior art of

record does not teach the following limitations:

"a set of instructions executed when an entity satisfy the set of conditions,

said set of instructions classifying the entity as a particular entity type for which a

user interface is created within a particular window of a set of windows, wherein

the user interface element provides access to said entity though the user

interface".

The dependent claims of claim 31, being definite, further limiting, and fully enabled by the specification are also allowed.

As per claim 35, the prior art of record (Galea (hereinafter "Galea", U.S. Patent Number 6404445) in view of Everett (U.S. Patent Application Publication Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon", U.S. Patent Application Publication Number 2006/0064415) and further in view Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach or fairly suggest the combination of steps as recited in the claim. Prior art of record does not teach the following limitations:

"when an entity satisfy the set of conditions, classifying the entity as a particular entity type for which a user interface is created within a particular window of a set of windows, wherein the user interface element provides access to said entity though the user interface".

The dependent claims of claim 35, being definite, further limiting, and fully enabled by the specification are also allowed.

As per claim 42, the prior art of record (Galea (hereinafter "Galea", U.S. Patent Number 6404445) in view of Everett (U.S. Patent Application Publication Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon", U.S. Patent Application Publication Number 2006/0064415) and further in view Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach

or fairly suggest the combination of steps as recited in the claim. Prior art of record does not teach the following limitations:

"a set of instructions for receiving a description of the user interface, the description being based upon a set of conditions that satisfy the plurality of entities into entity types, wherein the classification comprises classification of an entity as at least (i) a first entity type for which a user interface element is created within a first window of a set of windows in the description of the user interface in order to access said entity upon determining that the entity satisfies the set of conditions and (ii) a second entity type for which a user interface element is crated within a second window of the set of windows in the description of the user interface in order to access said entity upon determining that the entity does not satisfy the set of conditions".

The dependent claims of claim 42, being definite, further limiting, and fully enabled by the specification are also allowed.

As per claim 46, the prior art of record (Galea (hereinafter "Galea", U.S. Patent Number 6404445) in view of Everett (U.S. Patent Application Publication Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon", U.S. Patent Application Publication Number 2006/0064415) and further in view Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach or fairly suggest the combination of steps as recited in the claim. Prior art of record does not teach the following limitations:

"when an entity satisfy the set of conditions, the classification comprises

classifying the entity as a particular entity type for which a user interface element

is created within a particular window of a set of windows in the description of the

user interface, wherein the user interface element provides access to said entity

through the user interface".

The dependent claims of claim 46, being definite, further limiting, and fully

enabled by the specification are also allowed.

As per claim 84, the prior art of record (Galea (hereinafter "Galea", U.S.

Patent Number 6404445) in view of Everett (U.S. Patent Application Publication

Number 2004/0024790) and further in view of Guyon et al., (hereinafter "Guyon",

U.S. Patent Application Publication Number 2006/0064415) and further in view

Cason (U.S. Patent Number 6035300)), alone or in combination, does not teach

or fairly suggest the combination of steps as recited in the claim. Prior art of

record does not teach the following limitations:

"in response to the request, dynamically creating a description of said user

interface (i) by using a set of heuristics to select a set of data entities from the

plurality of data entities for access by the client through a primary window of the

description based on a relevancy of the set of data entities to the client, and (ii)

by providing a set of tasks operable on each data entity".

The dependent claims of claim 84, being definite, further limiting, and fully

enabled by the specification are also allowed.

Any comments considered necessary by applicant must submitted no later

than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reason for Allowance".

Conclusion

6.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure is as follows:

NPL:

Czejdo et al., "A microcomputer implementation of an ER query and
update interface", ACM SIGSMALL/PCVol. 19, Issue 1, June
1993, P-16 - 31. Retrieved from the Internet:<URL: http://portal.acm.org/
ft_gateway.cfm?id= 155746&type=pdf&coll=ACM&dl=ACM&CFID=
46047867&CFTOKEN=88071587>.

Phol et al, "PRIME—toward process-integrated modeling environments",
ACM Transactions on Software Engineering and Methodology, Vol 8 ,
Issue 4, October 1999, P-343 - 410. Retrieved from the Internet:<
http://portal.acm.org/ ft_gateway.cfm?id= 322995&type=pdf&coll=
ACM&dl=ACM&CFID=46047867&CFTOKEN=88071587>.

Contact Information

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis Myint whose telephone number is (571) 272-5629. The examiner can normally be reached on 8:30AM-5:30PM Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-5629.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Dennis Myint/
Examiner, Art Unit 2162

/John Breene/

Supervisory Patent Examiner, Art Unit 2162